Name of Work : UGD Works and Sinking of Borewell, Laying of Pipeline in Ward No 14, Bagalagunte

DASARAHALLI DIVISION | **T DASARAHALLI SUB DIVISION**

Estimate Cost:-100.00 Lakhs | **DB CODE: 014-19-000046**

Head of Account:- P-3295 14TH FINANCE

Agency:-Sri R SHIVARAM, #4-13,AVALAMMA CHOULTRY LAYOUT, MAGADI ROAD, BANGALORE-23

Work Order No:- : EE/DD/WO/136/2020-21 7-11-2020

DETAILED MEASUREMENTS

Recorded on:- 19/4/21

BOQ Item No	Description Of item of work		Measurements			Quantity	Units
			Length	Breath	Depth		
1	2	4	5	6	7	8	9
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's method including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the vicinity. its quality , quality & acceptabality of the users indicating the location of the site recommendeddepth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire proposed to be tapped propable yield and other information required including transportation of instrument and accessories to work site, engating technical personal and labour.						
	Previous qty						**Each**
	NAVY LAYOUT	1				1.00	
	KIRLOSKAR LAYOUT	1				1.00	
	MHR LAYOUT	1				1.00	
	SAHYADRI LAYOUT	1				1.00	
	NMH LAYOUT	1				1.00	
			Total Qty			5.00	
	Measurement recorded 1 st & part E M Bpage No-01					5.00	
	Present qty						
	Muneshwara nagara	1				1.00	
	Bagalagunte near Burial ground	1				1.00	
	Chimni hills Navy layout	1				1.00	
			Total Qty			3.00	
		Present Qty				3.00	
		Total Qty				8.00	
		Deduct previously Paid qty				5.00	
		Present Qty to be paid				3.00	

07/04/2021

Asst.Engineer
Bagalagunte ward 14

Asst.Exe.Engineer
T.Dasarahalli Sub Division

Scanned by CamScanner

Measurements continued on

2	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(0.00-50.00 m)						
	Previous qty						Rmtr
	Paid Qty						
	NAVY LAYOUT						
	0.00 to 50.00 mtrs	1	50.00			50.00	
	KIRLOSKAR LAYOUT						
	0.00 to 50.00 mtrs	1	50.00			50.00	
	MHR LAYOUT						
	0.00 to 50.00 mtrs	1	50.00			50.00	
	SAHYADRI LAYOUT						
	0.00 to 50.00 mtrs	1	50.00			50.00	
	NMH LAYOUT						
	0.00 to 50.00 mtrs	1	50.00			50.00	
			Total Qty			**250.00**	
	Measurement recorded 1 st & part E MB page No-2					250.00	
	Present qty						
	Muneshwara nagara						
	0.00 to 50.00 mtrs	1	50.00			50.00	
	Bagalagunte near Burial ground						
	0.00 to 50.00 mtrs	1	50.00			50.00	
	Chimni hills Navy layout						
	0.00 to 50.00 mtrs	1	50.00			50.00	
			Total Qty			**150.00**	
					Present Qty	150.00	
					Total Qty	400.00	
					Deduct previously Paid qty	250.00	
					Present Qty to be paid	150.00	

01/04/2021

Asst.Engineer

Bagalagunte ward 14

Asst.Exe.Engineer 01/04/2021

T.Dasarahalli Sub Division

ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

ಬಾಗಲಗುಂಟೆ, ಜಿ.ಬಿ.ಎಂ.ಪಿ.

ಬೆಂಗಳೂರು-560073.

Scanned by CamScanner

3	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(0.50-100.00 m)						
	Previous qty						Rmtr
	NAVY LAYOUT						
	50mtr to 100.00 mtr	1	50.00			50.00	
	KIRLOSKAR LAYOUT						
	50mtr to 100.00 mtr	1	50.00			50.00	
	MHR LAYOUT						
	50mtr to 100.00 mtr	1	50.00			50.00	
	SAHYADRI LAYOUT						
	50mtr to 100.00 mtr	1	50.00			50.00	
	NMH LAYOUT						
	50mtr to 100.00 mtr	1	50.00			50.00	
			Total Qty			250.00	
	Measurement recorded 1 st & part E MB page No-2					250.00	
	Present qty						
	Muneshwara nagara						
	50mtr to 100.00 mtr	1	50.00			50.00	
	Bagalagunte near Burial ground						
	50mtr to 100.00 mtr	1	50.00			50.00	
	Chimni hills Navy layout						
	50mtr to 100.00 mtr	1	50.00			50.00	
			Total Qty			150.00	
					Present Qty	150.00	
					Total Qty	400.00	
					Deduct previously Paid qty	250.00	
					Present Qty to be paid	150.00	

01/04/2021

Asst.Engineer
Bagalagunte ward 14

Asst.Exe.Engineer
Dasarahalli Sub Division,
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಹೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

Scanned by CamScanner

4	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(100.00-150.00 m)						
	Previous qty						Rmtr
	NAVY LAYOUT						
	100.00 to 150.00 mtr	1	50.00			50.00	
	KIRLOSKAR LAYOUT						
	100.00 to 150.00 mtr	1	50.00			50.00	
	MHR LAYOUT						
	100.00 to 150.00 mtr	1	50.00			50.00	
	SAHYADRI LAYOUT						
	100.00 to 150.00 mtr	1	50.00			50.00	
	NMH LAYOUT						
	100.00 to 150.00 mtr	1	50.00			50.00	
			Total Qty			**250.00**	
	Measurement recorded 1 st & part E MB page No-2					250.00	
	Present qty						
	Muneshwara nagara						
	100.00 to 150.00 mtr	1	50.00			50.00	
	Bagalagunte near Burial ground						
	100.00 to 150.00 mtr	1	50.00			50.00	
	Chimni hills Navy layout						
	100.00 to 150.00 mtr	1	50.00			50.00	
			Total Qty			**150.00**	
		Present Qty				150.00	
		Total Qty				400.00	
		Deduct previously Paid qty				250.00	
		Present Qty to be paid				150.00	

01/04/2024

Asst.Engineer
Bagalagunte ward 14

Asst.Exe.Engineer
T.Dasarahalli Sub Division
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

Scanned by CamScanner

5	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(150.00-200.00 m)						Rmtr
	Previous qty						
	NAVY LAYOUT						
	150.00 to 200.00 mtr	1	50.00			50.00	
	KIRLOSKAR LAYOUT						
	150.00 to 200.00 mtr	1	50.00			50.00	
	MHR LAYOUT						
	150.00 to 200.00 mtr	1	50.00			50.00	
	SAHYADRI LAYOUT						
	150.00 to 200.00 mtr	1	50.00			50.00	
	NMH LAYOUT						
	150.00 to 200.00 mtr	1	50.00			50.00	
			Total Qty			250.00	
	Measurement recorded 1 st & part E MB page No-3					250.00	
	Present qty						
	Muneshwara nagara						
	150.00 to 200.00 mtr	1	50.00			50.00	
	Bagalagunte near Burial ground						
	150.00 to 200.00 mtr	1	50.00			50.00	
	Chimni hills Navy layout						
	150.00 to 200.00 mtr	1	50.00			50.00	
			Total Qty			150.00	
		Present Qty				150.00	
		Total Qty				400.00	
		Deduct previously Paid qty				250.00	
		Present Qty to be paid				150.00	

01/04/2024

Asst.Engineer
Bagalagunte ward 14

Asst.Exe.Engineer
Dasarahalli Sub Division
ಜಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

Scanned by CamScanner

6	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(200.00-250.00 m)					Rmtr
	Previous qty					
	NAVY LAYOUT					
	200.00 to 250.00 mtr	1	50.00			50.00
	KIRLOSKAR LAYOUT					
	200.00 to 250.00 mtr	1	50.00			50.00
	MHR LAYOUT					
	200.00 to 250.00 mtr	1	50.00			50.00
	SAHYADRI LAYOUT					
	200.00 to 250.00 mtr	1	50.00			50.00
	NMH LAYOUT					
	200.00 to 250.00 mtr	1	50.00			50.00
			Total Qty			250.00
	Measurement recorded 1 st & part E MB page No-3					250.00
	Present qty					
	Muneshwara nagara					
	200.00 to 250.00 mtr	1	50.00			50.00
	Bagalagunte near Burial ground					
	200.00 to 250.00 mtr	1	50.00			50.00
	Chimni hills Navy layout					
	200.00 to 250.00 mtr	1	50.00			50.00
			Total Qty			150.00
		Present Qty				150.00
		Total Qty				400.00
		Deduct previously Paid qty				250.00
		Present Qty to be paid				150.00

01/04/2024

Asst.Engineer
Bagalagunte ward 14

Asst.Exe.Engineer
Basaralahalli Sub Division

Scanned by CamScanner

7	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(250.00-300.00 m)						
	Previous qty						Rmtr
	NAVY LAYOUT						
	250.00 to 300.00 mtr	1	50.00			50.00	
	KIRLOSKAR LAYOUT						
	250.00 to 300.00 mtr	1	50.00			50.00	
	MHR LAYOUT						
	250.00 to 300.00 mtr	1	50.00			50.00	
	SAHYADRI LAYOUT						
	250.00 to 300.00 mtr	1	50.00			50.00	
	NMH LAYOUT						
	250.00 to 300.00 mtr	1	50.00			50.00	
			Total Qty			250.00	
	Measurement recorded 1 st & part E MB page No-3					250.00	
	Present qty						
	Muneshwara nagara						
	250.00 to 300.00 mtr	1	50.00			50.00	
	Bagalagunte near Burial ground						
	250.00 to 300.00 mtr	1	50.00			50.00	
	Chimni hills Navy layout						
	250.00 to 300.00 mtr	1	50.00			50.00	
			Total Qty			150.00	
	Present Qty					150.00	
	Total Qty					400.00	
	Deduct previously Paid qty					250.00	
	Present Qty to be paid					150.00	

01/04/2024

Asst.Engineer
Bagalagunte ward 14

Asst.Exe.Engineer
Dasarahalli Sub Division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಕೆ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

Scanned by CamScanner

Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abpve in al strata including over burden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transporation of rig and surpporting vehicles, screws charges and cost of consumable including yield testing at the final depth with a minimum working of compressor for one hour all as specified.(300.00-350.00 m)

					Rmtr
Previous qty					
NAVY LAYOUT					
300.00 to 350.00 mtr	1	50.00		50.00	
KIRLOSKAR LAYOUT					
300.00 to 350.00 mtr	1	50.00		50.00	
MHR LAYOUT					
300.00 to 350.00 mtr	1	50.00		50.00	
SAHYADRI LAYOUT					
300.00 to 350.00 mtr	1	50.00		50.00	
NMH LAYOUT					
300.00 to 350.00 mtr	1	50.00		50.00	
		Total Qty		250.00	
Measurement recorded 1 st & part E MB page No-4				250.00	
Present qty					
Muneshwara nagara					
300.00 to 350.00 mtr	1	50.00		12.00	
Bagalagunte near Burial ground					
300.00 to 350.00 mtr	1	50.00		48.00	
Chimni hills Navy layout					
300.00 to 350.00 mtr	1	50.00		24.00	
		Total Qty		84.00	
	Present Qty			84.00	
	Total Qty			334.00	
	Deduct previously Paid qty			250.00	
	Present Qty to be paid			84.00	

Asst.Engineer 01/04/2024
Bagalagunte ward 14

Asst.Exe.Engineer 1/4/24
Dasarahalli Sub Division
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಜಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073

Scanned by CamScanner

10	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 mm thick confirming to IS 1387/1933 and manufactured by basic open hearth electric or basic oxygen process in random lenth of 5 to 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and the other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straight should be with ISI marking, weighing 25.10kg/mtr.						
	Previous qty						Rmtr
	NAVY LAYOUT	1	84.00			84.00	
	KIRLOSKAR LAYOUT	1	72.00			72.00	
	MHR LAYOUT	1	84.00			84.00	
	SAHYADRI LAYOUT	1	84.00			84.00	
	NMH LAYOUT	1	84.00			84.00	
			Total Qty			408.00	
	Measurement recorded 1 st & part E MB page No-4					408.00	
	Present qty						
	Muneshwara nagara	1	72			72.00	
	Bagalagunte near Burial ground	1	84			84.00	
	Chimni hills Navy layout	1	89			89.00	
						245.00	
		Present Qty				245.00	
		Total Qty				653.00	
		Deduct previously Paid qty				408.00	
		Present Qty to be paid				245.00	

01/04/2024

Asst.Engineer
Bagalagunte ward 14

Asst.Exe.Engineer
P.Dasarahalli Sub Division

Scanned by CamScanner

11	Providing and Fixing 250mm dia PVC pipe and as per Specification and Direction						
	Previous qty						Rmtr
	NAVY LAYOUT	1	18.00			18.00	
	KIRLOSKAR LAYOUT	1	18.00			18.00	
	MHR LAYOUT	1	18.00			18.00	
	SAHYADRI LAYOUT	1	18.00			18.00	
	NMH LAYOUT	1	18.00			18.00	
			Total Qty			90.00	
	Measurement recorded 1 st & part E MB page No-4					90.00	
	Present qty						
	Muneshwara nagara	1	18.00			18.00	
	Bagalagunte near Burial ground	1	18.00			18.00	
	Chimni hills Navy layout	1	18.00			18.00	
						54.00	
		Present Qty				54.00	
		Total Qty				144.00	
		Deduct previously Paid qty				90.00	
		Present Qty to be paid				54.00	

01/04/2021

Asst.Engineer
Bagalagunte ward 14

Asst.Exe.Engineer
Dasarahalli Sub Division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಕೆ.ವಿ.ಪಿ
ಬೆಂಗಳೂರು-560073.

Scanned by CamScanner

12	Providing 175 mm dia MS Collar						Each
	Previous qty						
	NAVY LAYOUT	8				8.00	
	KIRLOSKAR LAYOUT	8				8.00	
	MHR LAYOUT	8				8.00	
	SAHYADRI LAYOUT	8				8.00	
	NMH LAYOUT	8				8.00	
			Total Qty			40.00	
	Measurement recorded 1 st & part E MB page No-4					40.00	
	Present qty						
	Muneshwara nagara	6				7.00	
	Bagalagunte near Burial ground	6				7.00	
	Chimni hills Navy layout	6				8.00	
						22.00	
		Present Qty				22.00	
		Total Qty				62.00	
		Deduct previously Paid qty				40.00	
		Present Qty to be paid				22.00	
		Limitted Qty				18.00	

01/04/2024

Asst.Engineer
Bagalagunte ward 14

Asst.Exe.Engineer
Dasarahalli Sub Division

Scanned by CamScanner

13 Providing 175 mm dia MS Cap

		Previous qty					Each
	NAVY LAYOUT	1				1.00	
	KIRLOSKAR LAYOUT	1				1.00	
	MHR LAYOUT	1				1.00	
	SAHYADRI LAYOUT	1				1.00	
	NMH LAYOUT	1				1.00	
			Total Qty			5.00	
	Measurement recorded 1 st & part E MB page No-5					5.00	
	Present Qty						
	Muneshwara nagara	1				1.00	
	Bagalagunte near Burial ground	1				1.00	
	Chimni hills Navy layout	1				1.00	
						3.00	
		Present Qty				3.00	
		Total Qty				8.00	
		Deduct previously Paid qty				5.00	
		Present Qty to be paid				3.00	

01/04/2021

Asst.Engineer
Bagalagunte ward 14

Asst.Exe.Engineer
V.V.Dasarahalli Sub Division
ಪಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಜಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

Scanned by CamScanner

Measurements continued on 9/4/21

14	Supply and delivery at site brand new submersible pumpset suitable for borewell of 165mm dia and having the declared duty conditions as detailed below and satisfying performance Characteristics for pump and motor as declared by the bureau of indian stand. the pumpset should conform to IS : 8034-1989 (With all its latest amendments) and Should bear ISI Certification mark IS : 8034-1989 Sub mercible pumpset 20HP 40 stage Texmo/Taro or equalents Brands						Each
	Previous qty						
	NAVY LAYOUT	1				1.00	
	KIRLOSKAR LAYOUT	1				1.00	
	MHR LAYOUT	1				1.00	
	BHUMIKA LAYOUT(GANESH TEMPLE)	1				1.00	
	NMH LAYOUT	1				1.00	
			Total Qty			5.00	
	Measurement recorded 1 st & part E MB page No-6					5.00	
	Present Qty						
	Muneshwara nagara	1				1.00	
	Bagalagunte near Burial ground	1				1.00	
	Chimni hills Navy layout	1				1.00	
	Received stock	4				4.00	
						7.00	
		Present Qty				7.00	
		Total Qty				12.00	
		Deduct previously Paid qty				5.00	
		Present Qty to be paid				7.00	

9/04/2021

Asst.Engineer
Bagalagunte ward 14

Asst.Exe.Engineer
T.Dasaralahalli Sub Division

Scanned by CamScanner

15	Providing and fixing of 50mm G.I pipe 'C' class heavy duty for erection of submersible pumpset galvanised tube 50mm supply ad delivary of cause heavy duty as per IS/239/1990						Mtrs
	Previous qty						
	NAVY LAYOUT	1	300.00			300.00	
	KIRLOSKAR LAYOUT	1	300.00			300.00	
	MHR LAYOUT	1	300.00			300.00	
	BHUMIKA LAYOUT(GANESH TEMPLE)	1	300.00			275.00	
	NMH LAYOUT	1	275.00			1475.00	
			Total Qty			1,475.00	
	Measurement recorded 1 st & part E MB page No-6						
	Present Qty					252.00	
	Muneshwara nagara	1	275.00			300.00	
	Bagalagunte near Burial ground	1	300.00			294.00	
	Chimni hills Navy layout	1	310.00			846.00	
			Present Qty			846.00	
			Total Qty			2321.00	
			Deduct previously Paid qty			1475.00	
			Present Qty to be paid			846.00	

09/04/2021

Asst.Engineer
Bagalagunte ward 14

Asst.Exe.Engineer
T.Dasarahalli Sub Division
ಸಹಾಯಕ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ. ಜಿ.ಬಿ.ಎಂ.ಪಿ
ಬೆಂಗಳೂರು-560073.

Scanned by CamScanner